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Copy 2 of 2

**OPERABLE UNIT 2
DRAFT REMEDIAL ACTION REPORT
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

Prepared For

Occidental Chemical Corporation

October 1992

**LEGGETTE, BRASHEARS & GRAHAM, INC. -
Professional Ground-Water Consultants
72 Danbury Road
Wilton, CT 06897**

012-786 5801

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**OPERABLE UNIT 2
DRAFT REMEDIAL ACTION REPORT
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

1.0 BACKGROUND

The Hooker/Ruco site is an active chemical manufacturing facility encompassing 14 acres of property in an industrial area of Hicksville, New York (figure 1.1).

Past activities in and around the Pilot Plant resulted in the release of polychlorinated biphenyls (PCBs) to the soils immediately adjacent to the building (Direct Spill Area). The area of the remedial project is shown on plate 1. Surface-water runoff and truck traffic dispersed the PCBs to the surficial soils around the Pilot Plant (Transport Related Areas) and to a recharge basin (Sump 3). The extent of PCBs in site soils were delineated to a level of 10 ppm (parts per million) by sampling and analysis.

In addition to the delineated areas, there were two stockpiled soil areas containing PCBs. The stockpiled soils were generated during a tank removal operation performed by Ruco. The stockpiled soils contained approximately 195 cubic yards of soil.

The PCB soils were designated as Operable Unit 2 by the United States Environmental Protection Agency (USEPA). A Focused Feasibility Study examining remedial alternatives for this operable unit was prepared and submitted to the USEPA in June 1990. The USEPA subsequently issued a Record of Decision (ROD) for Operable Unit 2 on September 28, 1990.

Pursuant to Administrative Order USEPA Index No. II CERCLA-10216, Occidental Chemical Corporation undertook a Remedial Action (RA) consisting of:

1. Excavation of soils containing in excess of 10 ppm of PCB in the Direct Spill Area and Transport Related Areas surrounding the Pilot Plant. Verification sampling was performed to ensure that soils that remain after the excavation did not have PCB concentrations exceeding 10 ppm.
2. Soils at the bottom of Sump 3 were excavated to 10 feet below the existing base elevation.

3. Excavated soils with PCB concentrations between 10 and 500 ppm, approximately 1,957 cubic yards, were shipped for disposal to an offsite hazardous waste landfill permitted under the Toxic Substance Control Act (TSCA).
4. Stockpiled soils (approximately 195 cubic yards), which were previously excavated during the removal of an underground fuel-oil tank, were included in the disposal of PCB soils at the offsite hazardous waste landfill.
5. Soils with PCB concentrations exceeding 500 ppm, approximately 52 cubic yards, were shipped offsite to a TSCA-permitted incineration facility for thermal destruction of the PCBs.
6. Excavated areas were graded and backfilled with clean soil. Certain areas, excluding Sump 3, were repaved with asphalt.

The RA was completed between May 4 and September 2, 1992 in accordance with the USEPA-approved document entitled, "Occidental Chemical Corporation, Hooker/Ruco Superfund Site, Hicksville, New York, Operable Unit 2, Remedial Design Work Plan, Final Site Design Submittal, April 1992".

2.0 PROJECT TEAM

The Remedial Project Team is presented on figure 2.1. Leggette, Brashears & Graham, Inc. (LBG) was the Supervising Contractor and William K. Beckman, P.E., New York State License No. 63219, was the qualified Professional Engineer. United States Pollution Control Incorporated (USPCI) performed the remedial work. A

summary of support services including construction and analytical are also presented on figure 2.1.

3.0 PROJECT SCHEDULING AND CHRONOLOGY

The chronology of the Operable Unit 2 RA is presented below. The chronology provides a summary of field activities and events that can be referred to during the remainder of the RA Report.

July 26, 1991	Prepared and submitted Remedial Design Work Plan (RDWP), Intermediate Design Site Submittal.
February 29, 1992	Received conditional approval for the RDWP.
March 16 to April 15, 1992	Collected additional soil samples; submitted prequalification and Sump 3 sidewall results.
April 28, 1992	Received approval of the RA Work Plan, Final Design Submittal.
May 4, 1992	Operable Unit 2 RA began; mobilization of USPCI equipment and manpower.
May 20, 1992	Excavation of site soil began; outloading of the stockpiled soil areas.
May 29, 1992	H-beam shoring installation in Sump 3 completed.
June 2, 1992	H-beam shoring installation in the Direct Spill Area completed.
June 11, 1992	Site Inspection completed by USEPA.

July 21, 1992	New York State Department of Environmental Conservation (NYSDEC) Construction Inspector completed site visit.
July 23, 1992	Transite storm-water piping abatement completed.
July 27, 1992	Site Inspection completed by USEPA.
August 4, 1992	Began demolition of concrete platform and stairwell in Work Area H.
August 18, 1992	All remedial excavations completed.
August 22, 1992	Storm-water piping restoration completed.
August 27, 1992	Site Inspection completed by USEPA.
August 28, 1992	Final site grading completed. Replacement paving installed and compacted.
September 2, 1992	Final Site Inspection and demobilization completed.

4.0 CONSTRUCTION ACTIVITIES

The remediation of Operable Unit 2 at the Hooker/Ruco site was performed from May 4 through September 2, 1992. The major remedial component of Operable Unit 2 was the excavation, transport and disposal of soil containing PCBs. Soil with PCB concentrations exceeding 500 ppm were treated by incineration. Soil with PCB concentrations between 10 and 500 ppm were disposed of at an offsite landfill. After removing all site soil to the PCB cleanup level of 10 ppm, restoration consisted of backfilling, repair and replacement of affected site utilities and demobilization. The key elements for each phase of the remedial process are described in the following sections.

4.1 Mobilization

Mobilization of equipment and supplies was completed during the first two weeks of the project. Work areas were laid out and delineated in the field. A baseline elevation survey was completed by Baldwin & Cornelius to establish preconstruction grades and location controls. Runoff controls were installed along the perimeter of the excavations to divert surface water to Sump 2. Background air monitoring was completed.

4.2 Excavation

Excavation activities began on May 20, 1992. Soil containing PCBs at concentrations less than 500 ppm was excavated and loaded into lined gondola railcars for offsite shipment.

Two areas of the site contained PCB concentrations in excess of 500 ppm. Removal and disposal of soil in the first 6 feet of the Direct Spill Area (Work Area J) and soil directly adjacent to and from below the concrete platform in Work Area H was completed. This soil was loaded into lined rolloffs for offsite transport by truck.

The initial extent and depth of excavations were based upon previous site sampling and analysis. Verification sampling was completed after initial excavation of a work area achieved the target depth. Sampling and analysis was performed to determine the concentration of PCBs remaining in the excavation. If the sample results showed PCB concentrations greater than 10 ppm, excavation continued until verification and confirmation sample analytical results showed PCB concentrations less than 10 ppm. The final excavation depths, in feet below previous grade surface, are presented on plate 2.

Excavations in the Direct Spill Area and Sump 3 were completed to depths of 11.0 feet below grade. Shoring, composed of driven soldier beams and wood lagging, was installed in both areas. Underpinning was also installed beneath the Pilot Plant foundation.

Wood lagging material in the Direct Spill Area (Work Area J) was removed and disposed of with the site soils. A Field Change Request was submitted to the USEPA to leave the shoring material in Sump 3 and was approved on July 30, 1992.

All excavation activities were completed on August 17, 1992. A total of 3,230 tons of soil and debris containing PCB concentrations between 10 and 500 ppm were excavated and transported to the Grassy-Grayback Mountain Hazardous Waste Landfill in Clive, Utah. A total of 85.2 tons of soil and debris containing PCBs at concentrations in excess of 500 ppm were excavated and transported to the Aptus facility in Coffeyville, Kansas for thermal treatment and disposal.

A summary of the waste disposal shipments, including manifest information, transport and disposal dates and excavation weights is provided on table 1. Copies of the 42 Certificates of Disposal received from the USPCI Grassy Mountain facility and the Aptus Environmental Services facility are attached in Appendix A.

4.3 Restoration

Backfilling began in early August 1992; by August 28, 1992, backfilling, compaction and final grading of the excavated areas had been completed. Approximately 2,169 cubic yards of backfill, process stone and topsoil were used during the RA.

The dust collection system in Work Area D, the stairs and concrete platform removed from Work Area H and storm-water sewer pipe and accompanying catch basins were replaced. Riprap was installed along the north wall of the sump. After recontouring Sump 3, all posts and chain-link fencing removed from the perimeter of Sump 3 were reinstalled. Subbase and replacement asphalt (700 square yards) were installed along the north and west

sides of the Pilot Plant. Restoration was completed with the demobilization of all equipment and temporary facilities on September 2, 1992.

5.0 PERFORMANCE STANDARDS

The RA removed soils with concentrations of PCBs in excess of 10 ppm. This objective was achieved and the success of the remedial activities was measured quantitatively. Two hundred and fifty-eight soil samples were collected and analyzed. This section of the report presents a summary of the field samples obtained and analyzed during the RA. This information demonstrates that the RA achieved the performance standards of the ROD.

5.1 Verification Soil Sampling

Verification soil samples were collected and analyzed to determine the residual PCB concentrations in excavations. Verification samples were collected from excavation surfaces at locations established by a hexagonal grid configuration. Seven, nineteen and thirty-seven (7, 19 and 37) point hexagonal grids were constructed and sampling points located. The sample patterns were unique to each excavation and were based on the sizes and dimensions of the excavations.

Individual soil samples collected from the grid locations were composited in the field. Composite soil samples were formed from five samples or less. The optimum compositing strategy used during the RA was the pooling of three soil samples.

All verification samples were submitted for analysis of total PCBs, as Aroclor 1248, by Test Methods for Evaluating Solid Wastes, SW-846, Third Edition, Volume I, Part II, Chapter 4.3.1 Method 8080. The method detection for verification analysis was at a minimum of 0.5 ppm.

The maximum acceptable PCB concentration of composite verification samples was based on the number of individual samples used to form the composite. Maximum concentrations for the compositing strategies used during the RA are presented below.

Number of samples in a composite	Maximum Aroclor 1248 concentrations per composite
1	10.0 ppm
2	5.0 ppm
3	3.3 ppm
4	2.5 ppm
5	2.0 ppm

Composite verification samples with PCB concentrations below the maximum composite concentration were acceptable.

If verification composite results exceeded the maximum composite concentration, but were less than the performance standard of 10 ppm, individual samples forming the composite sample were analyzed. Individual verification samples were evaluated against the site's action level of 10 ppm. Individual samples from the composite were analyzed in sequence until a definitive statement of the composite's acceptability could be made.

If an individual or composite verification sample exceeded the performance standard of 10 ppm, the soil in the immediate vicinity of the non-acceptable point(s) was excavated. Following the additional excavation, each area was resampled to determine if the remedial performance standard had been met. Excavation continued in each work area until acceptable results were achieved.

A summary of the acceptable verification results is presented in Appendix B. The locations of all acceptable soil samples are shown on plate 3.

The verification sampling results demonstrate that the RA was successful in removing site soils with concentrations of PCBs in excess of 10 ppm.

5.2 Confirmation Samples

Eleven confirmation soil samples were collected and submitted for analysis during the RA. Confirmation soil samples were collected at a rate of one per work area. Confirmation soil samples were collected during the verification sampling process by splitting of duplicate verification composite samples.

Duplicate composite samples were submitted for confirmation analysis of total PCBs as Aroclor 1248. All confirmation samples were analyzed using Contract Laboratory Protocols (CLP-SOW) for organic analysis, multi-media, multi-concentration, March 1990, Method CLP OLMO1.6. The method detection limit for all confirmation samples was at a minimum 0.5 ppm.

The maximum acceptable concentration for a confirmation composite sample was based upon the compositing strategy used to form the composite. Confirmation results were evaluated using the mathematical approach applied to composite verification samples. Maximum confirmation composite concentrations are presented below.

Number of samples	Maximum confirmation concentration
2	5.0 ppm
3	3.3 ppm

A summary of the confirmation sample results is presented in Appendix C. The locations of all confirmation soil samples are shown on plate 3. The confirmation results demonstrate that the RA was successful in removing site soils with concentrations of PCBs in excess of 10 ppm.

5.2.1 Data Validation

All confirmation samples were validated according to the USEPA National Functional Guidelines review, June 1991, and the USEPA Region II guidelines SOP HW-6, Revision 7, (March 1990). Holding times were met for all extractions and CLP analyses. Method blanks were run for each analytical set and confirm that blank artifacts were not present. A single-point calibration was used for the PCB quantitation. All retention time window criteria were met for PCBs. Surrogate recoveries were acceptable for all analyses. All Aroclor 1248 identifications were based upon multiple peak assignment and were confirmed by the reviewer. Duplicate samples were analyzed and duplicate results confirmed that acceptable laboratory precision was achieved. All of the confirmation data was usable as presented on the validated Form I reports.

5.3 Air Samples

In addition to real time air monitoring, 76 time-weighted average air samples were collected and analyzed for particulates and Aroclor 1248 on particulates. Background air samples were collected during the mobilization phase of the project prior to beginning excavation activities. Air sampling was completed on a weekly basis at the perimeter of active excavations and in the loading zone along the site's railroad spur. Air samples were submitted for analysis of total particulates by NIOSH Method 0500 and Aroclor 1248 on particulates by NIOSH Method 5503.

Air sampling results were evaluated against NYSDEC Guidance Levels of 150 ug/m³ (micrograms per cubic meter) for particulate and 0.02 ug/m³ for PCBs on particulates. A summary of the air sampling results is presented in Appendix D.

Downwind air sampling particulate results were below the NYSDEC Guidance Level of 150 ug/m³. The only exception occurred during air sampling completed on August 7, 1992. The two downwind samples contained

concentrations of total particulates of 290 and 390 ug/m³. However, the duplicate downwind air sample collected during the sampling event did not contain particulate levels above the method detection limit of 97 ug/m³. Real-time field measurements of particulates were also collected on this date. Particulate concentrations were not detected above 10 ug/m³ during field monitoring. The particulate results from this sampling event are, therefore, suspect.

Airborne concentrations of PCBs as Aroclor 1248 on particulate were detected in downwind sampling locations three times during the RA, on May 26, June 3 and June 4, 1992. PCB concentrations were not detected in duplicate air samples collected on June 3 and 4, 1992 and, therefore, this data is suspect.

5.4 Asbestos Sampling

Identification of the storm-water piping material excavated during the RA was completed. A grab sample of the storm-water piping was submitted for bulk analysis of asbestos. Testing results of the pipe confirmed that the matrix was transite, a cement asbestos mixture containing 40 to 50 percent chrysotile and 5 to 10 percent crocidolite.

Two hundred and forty-nine linear feet of storm-water piping were removed and disposed of during the RA. Removal of the piping was completed in accordance with Part 56 of Title 12 of the Official Compilation of Codes, Rules and Regulations of the State of New York (12 NYCRR Part 56).

During the pipe removal activities, time-weighted air samples were collected and submitted for analysis of bulk asbestos by NIOSH Method 7400. Airborne asbestos was not detected during the piping abatement activities.

5.5 Quality Assurance/Quality Control

5.5.1 Field and Equipment Blanks

Field and equipment blanks were collected to assess the quality of sampling equipment and effectiveness of cleaning procedures. Field blanks were collected from all sampling equipment used during the remediation.

Thirty-five verification field blanks and nineteen air sampling field blanks were collected during the RA. Equipment blanks were collected by wipe sampling the non-disposable excavation/construction equipment prior to demobilization. A summary of the verification field blank results is attached in Appendix B. A summary of the air sampling field blanks is attached in Appendix C.

Field blank results confirm that the RA sampling program was not impacted by artifacts or field cleaning procedures. Wipe sampling results, demonstrating that all remedial equipment had been completely cleaned, are presented in Appendix E.

5.5.2 Duplicates

Duplicate air samples were collected at a rate of one per sampling event. All air sampling duplicates were collected from one of the two downwind sampling locations. Duplicate soil samples were collected at a minimum rate of 10 percent. Duplicate samples were analyzed and duplicate results confirmed that acceptable laboratory precision was achieved.

6.0 FINAL INSPECTION

Representatives of the USEPA and the NYSDEC completed periodic inspections during the RA. A complete chronology of Site Inspections is presented in Section 3.0. On September 2, 1992, the last day of site activities, a Final Inspection was completed by the USEPA. No deficiencies were noted during the Final Inspection. On September 8, 1992, USEPA confirmed in writing that all necessary field work for the execution of Operable Unit 2 RA had been completed.

lms
October 13, 1992
occra.rpt/occra1

**CERTIFICATION OF COMPLETION
OPERABLE UNIT 2 REMEDIAL ACTION
HOOKER/RUCO SUPERFUND SITE
HICKSVILLE, NEW YORK**

I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the Company Official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate and complete.

OCCIDENTAL CHEMICAL CORPORATION

(written name and title)

William K. Beckman, P.E., an independent Registered Professional Engineer retained by Occidental Chemical Corporation, certifies that the Remedial Action has been completed in accordance with the Approved Remedial Action Work Plan dated April 1992 and that all performance standards have been achieved.

LBG ENGINEERING SERVICES, INC.

William K. Beckman, P.E.
President

LEGGETTE, BRASHEARS & GRAHAM, INC.

TABLE

TABLE 1

**OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

**Operable Unit 2 Remedial Action
Waste Management Summary**

Document number	State manifest number	Facility receipt date	Manifested weight (kg)	Actual weight			Certificate of destruction	Disposal date
				(kg)	(lbs)	(tons)		
1	NYB4075056	06/22/92	82,675	79,020	174,240	87.12	92-002009	06/22/92
2	NYB4075083	06/22/92	82,675	92,753	204,520	102.26	92-002543	06/22/92
3	NYB4075092	06/23/92	81,632	75,664	166,840	83.42	92-002012	06/22-23/92
4	NYB4075101	06/17/92	81,632	82,766	182,500	91.25	92-001999	06/17/92
5	NYB4075137	07/02/92	83,918	87,700	193,380	96.69	92-002244	07/02/92
6	NYB4075245	07/02/92	82,086	84,870	187,140	93.57	92-002243	07/02/92
7	NYB4075281	06/23/92	81,768	78,703	173,540	86.77	92-002085	06/23/92
8	NYB4075191	06/29/92	79,891	81,270	179,200	89.60	92-002236	06/29/92
9	NYB4075299	06/24/92	82,062	72,272	159,360	79.68	92-002171	06/24/92
10	NYB4075254	06/29/92	84,750	80,816	178,200	89.10	92-002237	06/29/92
11	NYB4075263	06/27/92	79,503	89,579	197,520	98.76	92-002238	06/29/92
12	NYB4075164	06/27/92	81,641	78,504	173,100	86.55	92-002239	06/29/92
13	NYB4075227	07/02/92	79,700	79,737	175,820	87.91	92-002241	07/02/92
14	NYB4075146	07/01/92	80,825	72,970	160,900	80.45	92-002240	07/01/92
15	NYB4075308	07/10/92	84,068	76,862	169,480	84.74	92-002242	07/10/92
16	NYB4075182	07/10/92	81,582	73,179	161,360	80.68	92-002487	07/10/92
17	NYB4075272	07/17/92	67,528	70,422	155,280	77.64	92-002492	07/17/92

TABLE 1
(continued)

OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK

Operable Unit 2 Remedial Action
Waste Management Summary

Document number	State manifest number	Facility receipt date	Manifested weight (kg)	Actual weight			Certificate of destruction	Disposal date
				(kg)	(lbs)	(tons)		
18	NYB4083138	06/23/92	12,444	13,088	28,860	14.43	DZ190	06/26/92
19	NYB4083255	06/23/92	11,555	11,773	25,960	13.98	DZ210	06/25/92
20	NYB4075218	07/15/92	81,333	89,034	196,230	98.16	92-002540	07/14/92
21	NYB4075209	07/15/92	87,752	90,711	200,020	100.01	92-002493	07/15/92
22	NYB4075155	07/15/92	81,460	75,754	167,040	83.52	92-002496	07/15/92
23	NYB4083273	07/15/92	81,563	85,070	187,580	93.79	92-002539	07/15/92
24	NYB4083192	07/02/92	10,784	11,791	26,000	13.00	DZ200	09/14/92
25	NYB4083219	07/02/92	14,757	16,172	35,660	17.83	EH220	09/14/92
26	NYB4083183	07/07/92	13,215	14,739	32,500	16.25	EM070	07/09/92
27	NYB4075236	07/27/92	85,385	82,430	181,760	90.88	92-002495	07/27/92
28	NYB4083237	07/27/92	82,101	82,830	182,640	91.32	92-002494	07/27/92
29	NYB4083291	07/27/92	85,367	82,023	180,860	90.43	92-002498	07/27/92
30	NYB4083282	07/31/92	83,144	81,670	180,080	90.04	92-002491	07/31/92
31	NYB4083246	07/31/92	83,235	74,884	165,120	82.56	92-002488	07/31/92
32	NYB4024341	08/05/92	82,155	74,458	164,180	82.09	92-002717	08/05/92

TABLE 1
(continued)

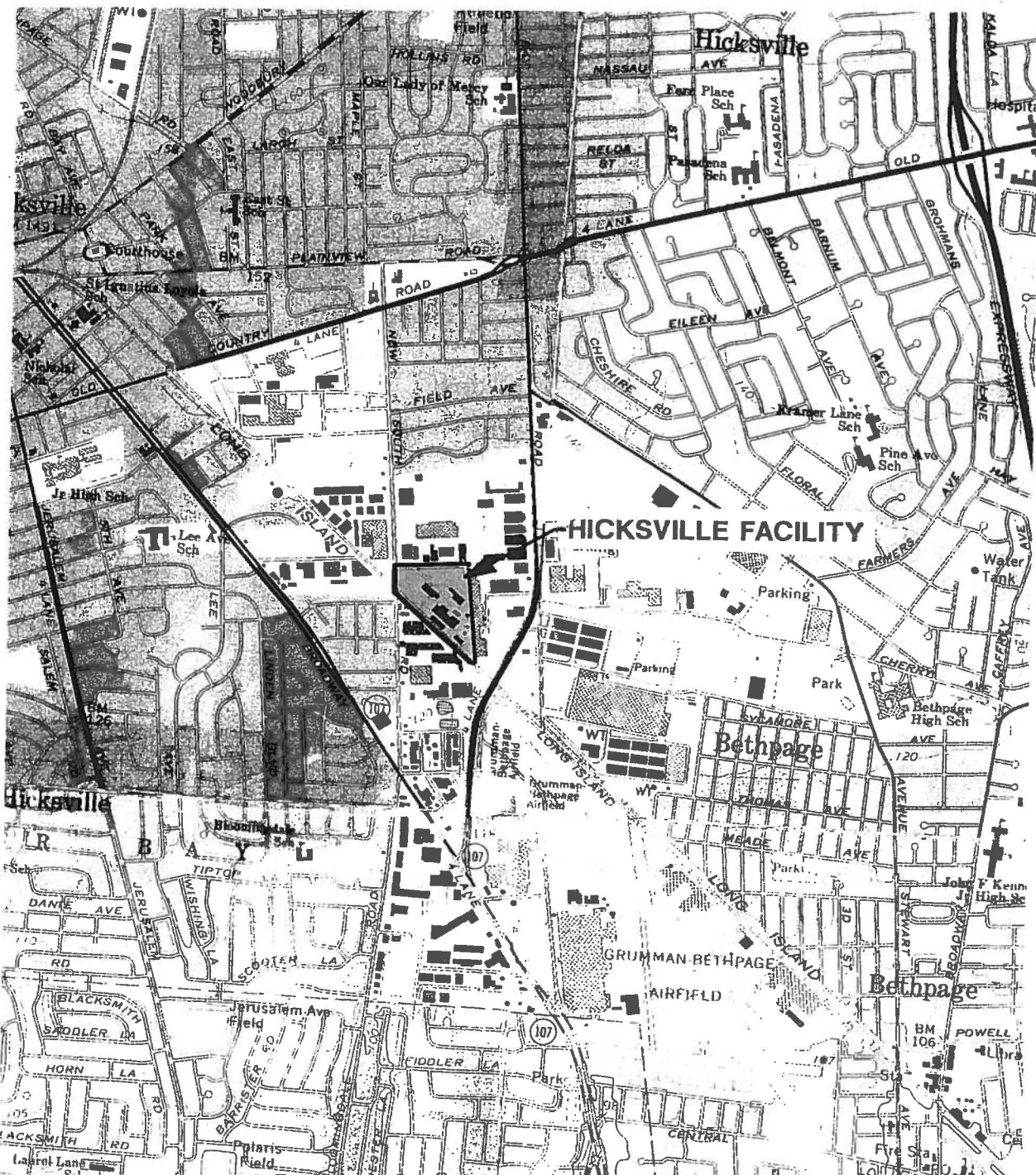
**OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

**Operable Unit 2 Remedial Action
Waste Management Summary**

Document number	State manifest number	Facility receipt date	Manifested weight (kg)	Actual weight			Certificate of destruction	Disposal date
				(kg)	(lbs)	(tons)		
33	NYB4024332	07/28/92	85,185	88,091	194,240	97.12	92-002497	07/28/92
34	NYB4083174	08/03/92	84,232	85,415	188,340	94.17	92-002490	08/03/92
35	NYB4083228	08/03/92	84,353	84,091	185,420	92.71	92-002489	08/03/92
36	NYB4024323	08/13/92	82,319	81,061	178,740	89.37	92-002594	08/13/92
37	NYB4024368	08/13/92	83,534	83,982	185,180	92.59	92-002595	08/13/92
38	NYB4024377	08/13/92	81,784	85,151	187,760	93.88	92-002598	08/13/92
39	NYB4024386	08/20/92	78,563	83,772	184,720	92.36	92-002715	08/20/92
40	NYB4024395	08/27/92	85,844	85,315	188,120	94.06	92-002714	08/27/92
41	NYB4024404		82,702	76,789	169,320	84.66		
42	NYB4024413		9,778					

occra.tbl/occra1

FIGURES



SOURCE: USGS QUADRANGLES HICKSVILLE, NEW YORK, FREEPORT, NEW YORK, HUNTINGTON, NEW YORK AND AMITYVILLE, NEW YORK

**OCCEIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

SITE LOCATION MAP

0 2000
SCALE IN FEET

DATE	REVISED

PREPARED BY:

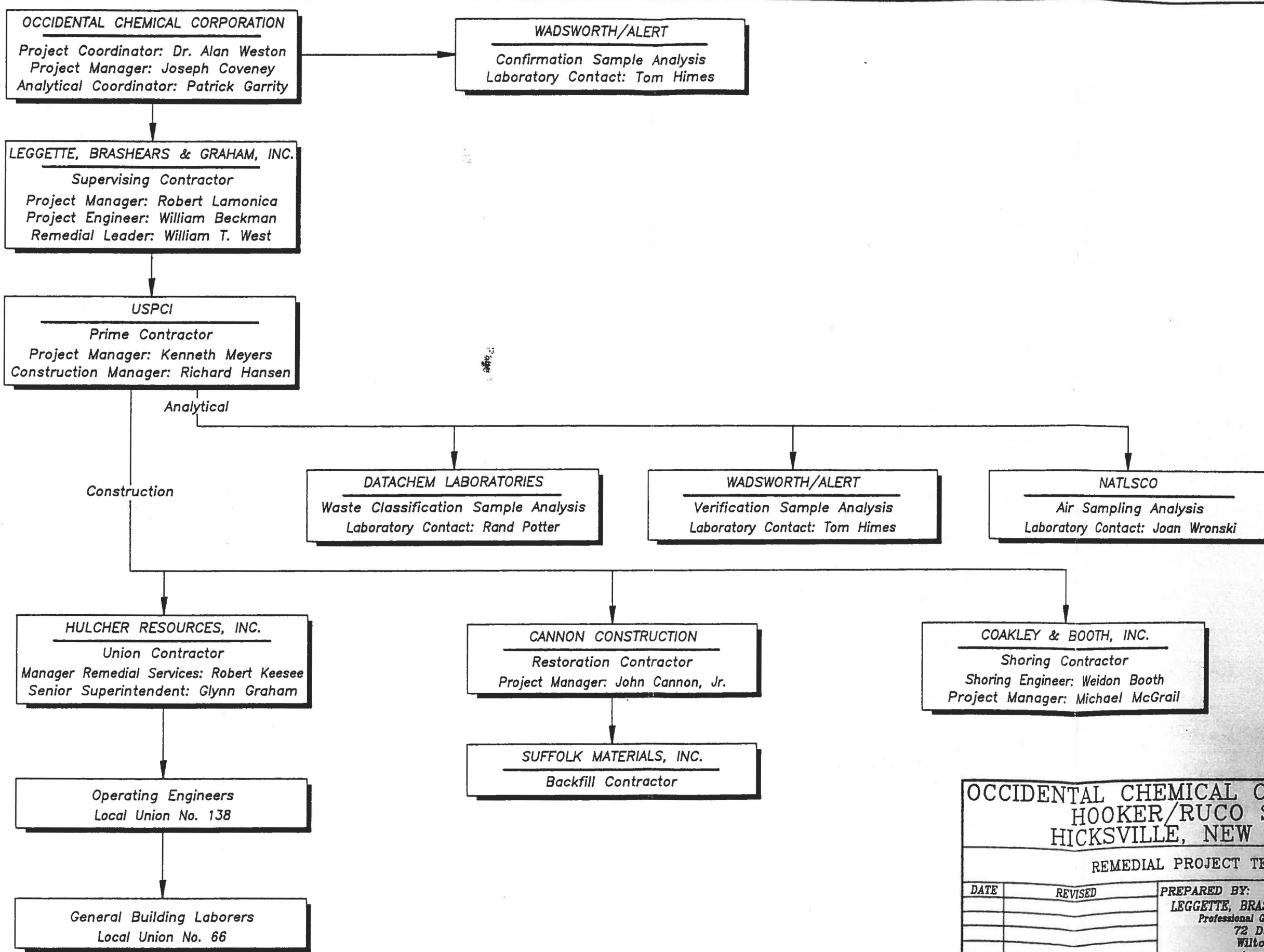


LEGGETTE, BRASHEARS &
GRAHAM, INC.
Professional Ground-Water Consultants
72 Danbury Road
Wilton, CT 06897
203-762-1207

DATE:

FIGURE 1.1

OU-2
654-



OCCIDENTAL CHEMICAL CORPORATION HOOKER/RUCO SITE HICKSVILLE, NEW YORK		
REMEDIAL PROJECT TEAM		
DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		Professional Ground-Water Consultants
		72 Danbury Road
		Wilton, CT 06897
		(203) 762-1207
		DATE: 10/5/92
		FIGURE: 2.1

APPENDIX A
Certificates of Disposal

CERTIFICATE OF DISPOSAL

U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
6324	00001	A	GB92-0133	CONTAM. SOIL,DEBRIS,& OR RAGS	26585	B	CELL Y	06/22/92
6325	00001	A	GB92-0133	CONTAM. SOIL,DEBRIS,& OR RAGS	23492	B	CELL Y	06/22/92
6330	00001	A	GB92-0133	CONTAM. SOIL,DEBRIS,& OR RAGS	28943	B	CELL Y	06/22/92

shipped on epa id MYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.


General Manager

Cert. # 92-002009

CERTIFICATE OF DISPOSAL

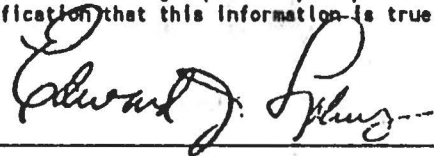
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
6331	00002	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	27737	B	CELL Y	06/22/92
6333	00002	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	32045	B	CELL Y	06/22/92
6336	00002	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	25642	B	CELL Y	06/22/92
6337	00002	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	7329	B	CELL Y	06/22/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



General Manager

Cert. # 92-002543

CERTIFICATE OF DISPOSAL

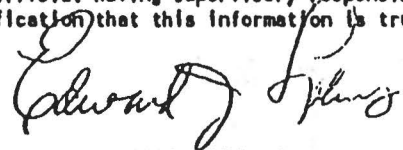
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (e), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
6354	00003	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	22857	B	CELL Y	06/23/92
6355	00003	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	26639	B	CELL Y	06/22/92
6356	00003	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	26168	B	CELL Y	06/23/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



General Manager

Cert. # 92-002012

CERTIFICATE OF DISPOSAL

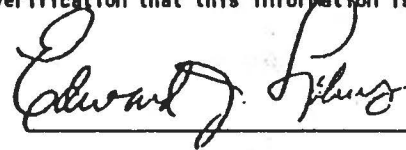
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
6146	00004	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	12544	B	CELL Y	06/16/92
6148	00004	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	20290	B	CELL Y	06/17/92
6149	00004	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	23882	B	CELL Y	06/17/92
6158	00004	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	26050	B	CELL Y	06/17/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



General Manager

Cert. # 92-001999

CERTIFICATE OF DISPOSAL

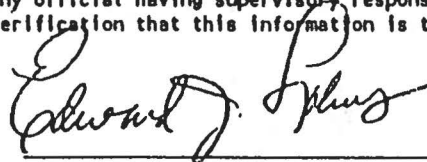
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
6741	00005	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	40408	B	CELL Y	07/02/92
6742	00005	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	29052	B	CELL Y	07/02/92
6745	00005	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	18240	B	CELL Y	07/02/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

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General Manager

Cert. # 92-002244

CERTIFICATE OF DISPOSAL

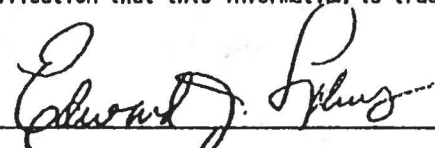
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
6748	00006	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	25188	B	CELL Y	07/02/92
6752	00006	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	26458	B	CELL Y	07/02/92
6754	00006	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	33224	B	CELL Y	07/02/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

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General Manager

Cert. # 92-002243

CERTIFICATE OF DISPOSAL

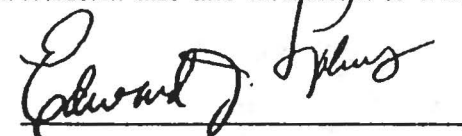
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
6410	00007	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	25841	B	CELL Y	06/23/92
6411	00007	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	29905	B	CELL Y	06/23/92
6413	00007	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	22957	B	CELL Y	06/23/92

shipped on epa id HYD002920312 was/were disposed in an EPA approved chemical waste landfill.

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General Manager

Cert. # 92-002085

CERTIFICATE OF DISPOSAL

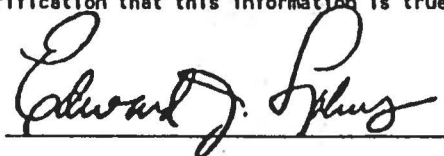
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
6582	00008	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	20698	B	CELL Y	06/29/92
6583	00008	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	25107	B	CELL Y	06/29/92
6584	00008	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	35465	B	CELL Y	06/29/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

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General Manager

Cert. # 92-002236

CERTIFICATE OF DISPOSAL

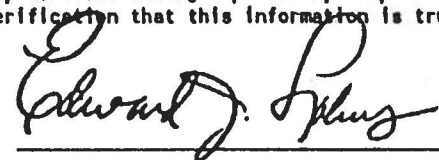
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
6428	00009	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	24136	B	CELL Y	06/24/92
6430	00009	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	25469	B	CELL Y	06/24/92
6433	00009	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	22667	B	CELL Y	06/24/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

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General Manager

Cert. # 92-002171

CERTIFICATE OF DISPOSAL

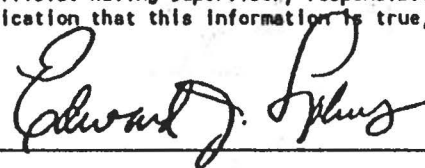
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
6585	20010	A	GB92-0133 CONTAM. SOIL,DEBRIS,& OR RAGS	28880	B	CELL Y	06/29/92
6586	20010	A	GB92-0133 CONTAM. SOIL,DEBRIS,& OR RAGS	30476	B	CELL Y	06/29/92
6587	20010	A	GB92-0133 CONTAM. SOIL,DEBRIS,& OR RAGS	21460	B	CELL Y	06/29/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

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General Manager

Cert. # 92-002237

CERTIFICATE OF DISPOSAL

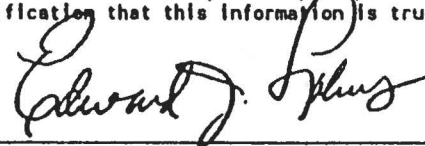
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
6592	00011	A	GB92-0133	25941	B	CELL Y	06/29/92
6593	00011	A	GB92-0133	27429	B	CELL Y	06/29/92
6594	00011	A	GB92-0133	27166	B	CELL Y	06/29/92
6598	00011	A	GB92-0133	9043	B	CELL Y	06/29/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

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General Manager

Cert. # 92-002238

CERTIFICATE OF DISPOSAL

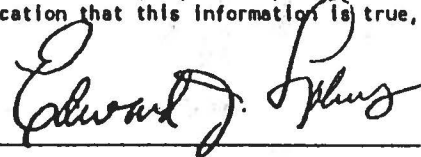
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
6599	00012	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	24590	B	CELL Y	06/29/92
6601	00012	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	39211	B	CELL Y	06/29/92
6602	00012	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	14703	B	CELL Y	06/29/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

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General Manager

Cert. # 92-002239

CERTIFICATE OF DISPOSAL

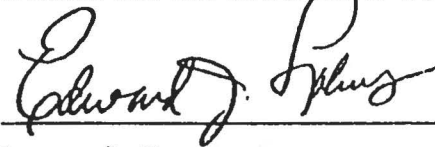
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
6733	00013	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	26712	B	CELL Y	07/02/92
6734	00013	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	22485	B	CELL Y	07/02/92
6735	00013	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	22830	B	CELL Y	07/02/92
6736	00013	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	7710	B	CELL Y	07/02/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

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General Manager

Cert. # 92-002241

CERTIFICATE OF DISPOSAL

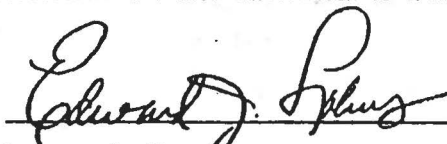
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
6730	00014	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	43474	B	CELL Y	07/01/92
6731	00014	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	14621	B	CELL Y	07/01/92
6732	00014	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	14875	B	CELL Y	07/01/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

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General Manager

Cert. # 92-002240

CERTIFICATE OF DISPOSAL

U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
7051	00015	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	27828	B	CELL Y	07/10/92
7052	00015	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	37741	B	CELL Y	07/10/92
7055	00015	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	11293	B	CELL Y	07/10/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

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Edward J. King

Cert. # 92-002242

General Manager

CERTIFICATE OF DISPOSAL

U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
7042	00016	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	28163	B	CELL Y	07/10/92
7047	00016	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	35782	B	CELL Y	07/10/92
7050	00016	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	9234	B	CELL Y	07/10/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

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Edward J. Plunz

General Manager

Cert. # 92-002487

CERTIFICATE OF DISPOSAL

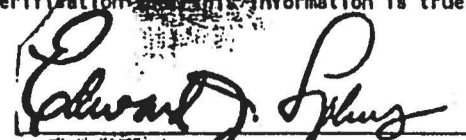
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

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LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
7439	00017	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	29351	B	CELL Y	07/17/92
7453	00017	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	20345	B	CELL Y	07/17/92
7455	00017	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	20726	B	CELL Y	07/17/92

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General Manager

Cert. # 92-002492

Aptus
DETAIL REPORT

PAGE NO. 1

GENERATOR
OCCIDENTAL CHEMICAL
HOOKER/RJOD FACILITY
NEW SOUTH RD
HICKSVILLE NY 11802-
EPA # NYD002920312
PHONE: 7162863157
PATRICK GARRITY
CODE: 0083611

CORRESPONDENT
U.S.P.C.I. PCB SERVICES
515 W GREEN RD
ONE COMMERCE GREEN, SUITE 500
HOUSTON TX 77067-
PHONE: 7137757800
ACCOUNTS PAYABLE
CODE: 0080690

WORKORDER # 88683
APT DOC # DZ190
CUST MANIFEST: 00018
STATE MANIFEST: NY84083138
DATE OF REPORT: 06/30/92
SALESMAN: GENE HAMLIN
HOLD BACK: 0%

ITEM	PROTYPE	QNT	DESCRIPTION	SERIAL/DRUM #	CONCN	UNT	WT	QTY	UNT	LOCATN	DISPOSAL FACILITY	SHIPMAN	CONUMBER	ACCEPTED	OUT/SRVC	SHIP	DESTROYD	COSENT
1	DIRT1	0	BULK-SANDY-SOIL	1 of 1/37098	PPM	28860	28860.00			0000000	APTUS INCINERATOR COFFEYVILLE,KS	DZ190	12451	06/23/92	06/19/92	06/23/92	06/26/92	06/30/92

MANIFESTS ON JOB NUMBER 88683
DZ190, DZ210

CERTIFICATE OF DISPOSAL

U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
7259	00021	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	30621	B	CELL Y	07/15/92
7241	00021	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	28961	B	CELL Y	07/15/92
7253	00021	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	21932	B	CELL Y	07/15/92
7256	00021	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	9197	B	CELL Y	07/15/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Edward J. Spurz

General Manager

Cert. # 92-002493

CERTIFICATE OF DISPOSAL

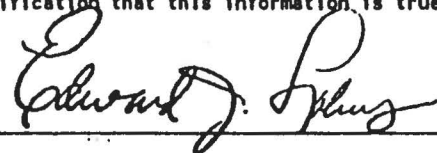
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
7257	00022	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	24834	B	CELL Y	07/15/92
7261	00022	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	19837	B	CELL Y	07/15/92
7265	00022	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	23410	B	CELL Y	07/15/92
7267	00022	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	7673	B	CELL Y	07/15/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



General Manager

Cert. # 92-002496

CERTIFICATE OF DISPOSAL

U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
7271	00023	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	28834	B	CELL Y	07/15/92
7278	00023	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	37932	B	CELL Y	07/15/92
7279	00023	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	18304	B	CELL Y	07/15/92

shipped on epa id HYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.


General Manager

Cert. # 92-002539

Aptus

DETAIL REPORT

PAGE NO. 1

GENERATOR
OCCIDENTAL CHEMICAL CORPORATION
 HOOKER/RJCO FACILITY
 NEW SOUTH RD
 HICKSVILLE NY 11802-
 EPA # NYD002920312
 PHONE: 7162863157
 PATRICK GARRITY
 CODE: 0083611

CORRESPONDENT
U.S.P.C.I. PCB SERVICES
 515 W GREEN RD
 ONE COMMERCE GREEN, SUITE 500
 HOUSTON TX 77067-
 PHONE: 7137757800
 ACCOUNTS PAYABLE
 CODE: 0080690

WORKORDER # 88683
APT DOC # DZ200
 CUST MANIFEST: 00024
 STATE MANIFEST: NY84083192
 DATE OF REPORT: 09/21/92
 SALESMAN: GENE HAMLIN
 HOLD BACK: 0%

ITEM	PROTYPE	QNT	DESCRIPTION	SERIAL/DRUM #	CONCEN	UNIT	WT	QTY	UNIT	LOCATN	DISPOSAL FACILITY	SHIPMAN	CONUMBER	ACCEPTED	OUT/SRVC	SHIP	DESTROYD	CDSENT
1	DIRTI	0	BULK-SANDY-SOIL	1 of 1/2534	PPM	26000	26000.00			000	APTUS INCINERATOR COFFEYVILLE,KS	DZ200	13684	07/02/92	06/29/92	07/02/92	09/14/92	09/18/92

MANIFESTS ON JOB NUMBER 88683
 DZ190, DZ210, DZ200, EH220, EM070

APTUS

September 18, 1992

Aptus, Inc.
Environmental Services

P.O. Box 1328
Coffeyville, KS 67337
(316) 251-6380
FAX (316) 251-7498
Sales FAX (316) 251-1095
Incinerator FAX (316) 251-0389

CERTIFICATE OF DISPOSAL

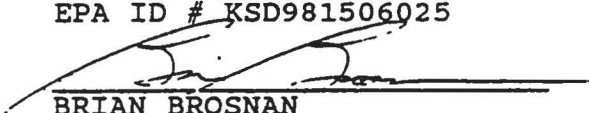
NO. 13684

OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO FACILITY
NEW SOUTH RD
HICKSVILLE, NY 11802-

- A. THIS IS TO CERTIFY THAT THE HAZARDOUS SUBSTANCE MANIFESTED TO APTUS ON APTUS DOCUMENT #DZ200 WAS DISPOSED OF IN ACCORDANCE WITH 40 CFR 761 (AND 40 CFR 264 IF APPLICABLE) AS OF 09/14/92. ATTACHED, IS A DETAIL REPORT WHICH IDENTIFIES THE DATE(S) OF DISPOSAL AND THE PROCESS UTILIZED FOR EACH WASTE LISTED.
- B. UNDER CIVIL AND CRIMINAL PENALTIES OF LAW FOR THE MAKING OR SUBMISSION OF FALSE OR FRAUDULENT STATEMENTS OR REPRESENTATIONS (18 U.S. C. 1001 AND 15 U.S. C. 2615), I CERTIFY THAT THE INFORMATION CONTAINED IN OR ACCOMPANYING THIS DOCUMENT IS TRUE, ACCURATE AND COMPLETE. AS TO THE IDENTIFIED SECTIONS(S) (A.) OF THIS DOCUMENT FOR WHICH I CANNOT PERSONALLY VERIFY TRUTH AND ACCURACY, I CERTIFY AS THE COMPANY OFFICIAL HAVING SUPERVISORY RESPONSIBILITY FOR THE PERSONS WHO, ACTING UNDER MY DIRECT INSTRUCTIONS, MADE THE VERIFICATION THAT THIS INFORMATION IS TRUE, ACCURATE, AND COMPLETE.

APTUS

EPA ID # KSD981506025


BRIAN BROSNAN
MANAGER, ENVIRONMENTAL AFFAIRS

Aptus
DETAIL REPORT

PAGE NO. 1

GENERATOR
OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUDD FACILITY
NEW SOUTH RD
HICKSVILLE NY 11802-
EPA # NY0002920312
PHONE: 7162863157
PATRICK GARRITY
CODE: 0083611

CORRESPONDENT
U.S.P.C.I. PCB SERVICES
515 W GREEN RD
ONE COMMERCE GREEN, SUITE 500
HOUSTON TX 77067-

PHONE: 7137757800
ACCOUNTS PAYABLE
CODE: 0080690

WORKORDER # 88683
APT DOC # EH220
CUST MANIFEST: 00025

STATE MANIFEST: NY84083219

DATE OF REPORT: 09/21/92
SALESMAN: GENE HAMLIN
HOLD BACK: 0%

ITEM	PRDTYPE	CNT	DESCRIPTION	SERIAL/DRUM #	CONCN	UNT	WT	QTY	UNT	LOCATN	DISPOSAL FACILITY	SHIPMAN	CDNUMBER	ACCEPTED	OUT/SRVC	SHIP	DESTROYD	CDSENT
1	DIRT1	0	BULK-SANDY-SOIL	1 of 1/35066	PPM	35660	35660.00			000	APTUS INCINERATOR COFFEYVILLE,KS	EH220	13686	07/02/92	06/29/92	07/02/92	09/14/92	09/18/92

MANIFESTS ON JOB NUMBER 88683
DZ190, DZ210, DZ200, EH220, EMO70

APTUS

September 18, 1992

Aptus, Inc.
Environmental Services
P.O. Box 1328
Coffeyville, KS 67337
(316) 251-6380
FAX (316) 251-7498
Sales FAX (316) 251-1095
Incinerator FAX (316) 251-0535

CERTIFICATE OF DISPOSAL

NO. 13686

OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO FACILITY
NEW SOUTH RD
HICKSVILLE, NY 11802-

- A. THIS IS TO CERTIFY THAT THE HAZARDOUS SUBSTANCE MANIFESTED TO APTUS ON APTUS DOCUMENT #EH220 WAS DISPOSED OF IN ACCORDANCE WITH 40 CFR 761 (AND 40 CFR 264 IF APPLICABLE) AS OF 09/14/92. ATTACHED, IS A DETAIL REPORT WHICH IDENTIFIES THE DATE(S) OF DISPOSAL AND THE PROCESS UTILIZED FOR EACH WASTE LISTED.
- B. UNDER CIVIL AND CRIMINAL PENALTIES OF LAW FOR THE MAKING OR SUBMISSION OF FALSE OR FRAUDULENT STATEMENTS OR REPRESENTATIONS (18 U.S. C. 1001 AND 15 U.S. C. 2615), I CERTIFY THAT THE INFORMATION CONTAINED IN OR ACCOMPANYING THIS DOCUMENT IS TRUE, ACCURATE AND COMPLETE. AS TO THE IDENTIFIED SECTIONS(S) (A.) OF THIS DOCUMENT FOR WHICH I CANNOT PERSONALLY VERIFY TRUTH AND ACCURACY, I CERTIFY AS THE COMPANY OFFICIAL HAVING SUPERVISORY RESPONSIBILITY FOR THE PERSONS WHO, ACTING UNDER MY DIRECT INSTRUCTIONS, MADE THE VERIFICATION THAT THIS INFORMATION IS TRUE, ACCURATE, AND COMPLETE.

APTUS

EPA ID # KSD981506025


BRIAN BROSNAN
MANAGER, ENVIRONMENTAL AFFAIRS

Aplus

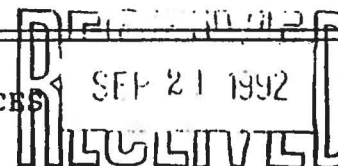
DETAIL REPORT

LEGGETT & STRONG

PAGE NO. 1

GENERATOR
OCCIDENTAL CHEMICAL CORPORATION
 HOOKER/RUCO FACILITY
 NEW SOUTH RD
 HICKSVILLE NY 11802-
 EPA # NYD002920312
 PHONE: 7162863157
 PATRICK GARRITY
 CODE: 0083611

CORRESPONDENT
U.S.P.C.I. PCB SERVICES
 515 W GREEN RD
 ONE COMMERCE GREEN, SUITE 500
 HOUSTON TX 77067-
 PHONE: 7137757800
 ACCOUNTS PAYABLE
 CODE: 0080690



WORKORDER # 88683
 APT DOC # EM070
 CUST MANIFEST: 00026
 STATE MANIFEST: NYB4083183
 DATE OF REPORT: 07/14/92
 SALESMAN: GENE HAMLIN
 HOLD BACK: 0%

ITEM	PROTYPE	CNT	DESCRIPTION	SERIAL/DRUM #	CONCEN	UNT	WT	QTY	UNT	LOCATN	DISPOSAL FACILITY	SHIPMAN	CONUMBER	ACCEPTED	CUT/SRVC	SHIP	DESTROYD	COSENT
1	DIRT	0	BULK-SANDY-SOIL	1 of 1/030199	PPM	32500	32500.00			000	APTUS INCINERATOR	COFFEYVILLE,KS	EM070	12640	07/07/92	07/02/92	07/07/92	07/09/92 07/13/92

MANIFESTS ON JOB NUMBER 88683
 DZ190, DZ210, DZ200, EH220, EM070

APTUS

July 13, 1992

Aptus
Environmental Services
P O Box 1328
Cottleville KS 67337
(316) 251-6380
FAX (316) 251-7436
Sales FAX (316) 251-1095
Incinerator FAX (316) 251-0033

CERTIFICATE OF DISPOSAL

NO. 12640

OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO FACILITY
NEW SOUTH RD
HICKSVILLE, NY 11802-

- A. THIS IS TO CERTIFY THAT THE HAZARDOUS SUBSTANCE MANIFESTED TO APTUS ON APTUS DOCUMENT #EM070 WAS DISPOSED OF IN ACCORDANCE WITH 40 CFR 761 (AND 40 CFR 264 IF APPLICABLE) AS OF 07/09/92. ATTACHED, IS A DETAIL REPORT WHICH IDENTIFIES THE DATE(S) OF DISPOSAL AND THE PROCESS UTILIZED FOR EACH WASTE LISTED.
- B. UNDER CIVIL AND CRIMINAL PENALTIES OF LAW FOR THE MAKING OR SUBMISSION OF FALSE OR FRAUDULENT STATEMENTS OR REPRESENTATIONS (18 U.S. C. 1001 AND 15 U.S. C. 2615), I CERTIFY THAT THE INFORMATION CONTAINED IN OR ACCOMPANYING THIS DOCUMENT IS TRUE, ACCURATE AND COMPLETE. AS TO THE IDENTIFIED SECTIONS(S) (A.) OF THIS DOCUMENT FOR WHICH I CANNOT PERSONALLY VERIFY TRUTH AND ACCURACY, I CERTIFY AS THE COMPANY OFFICIAL HAVING SUPERVISORY RESPONSIBILITY FOR THE PERSONS WHO, ACTING UNDER MY DIRECT INSTRUCTIONS, MADE THE VERIFICATION THAT THIS INFORMATION IS TRUE, ACCURATE, AND COMPLETE.

APTUS

EPA ID # KSD981506025


BRIAN BROSAN

MANAGER, ENVIRONMENTAL AFFAIRS

CERTIFICATE OF DISPOSAL

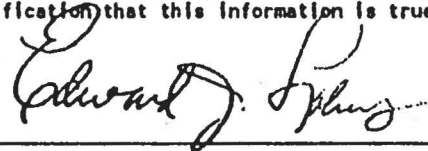
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
7958	00027	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	26113	B	CELL Y	07/27/92
7960	00027	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	26549	B	CELL Y	07/27/92
7965	00027	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	20834	B	CELL Y	07/27/92
7967	00027	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	8934	B	CELL Y	07/27/92

shipped on epa id HYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



General Manager

Cert. # 92-002495

CERTIFICATE OF DISPOSAL

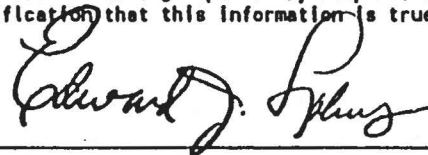
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
7968	00028	A	GB92-0133 CONTAM. SOIL,DEBRIS,& OR RAGS	23683	B	CELL Y	07/27/92
7970	00028	A	GB92-0133 CONTAM. SOIL,DEBRIS,& OR RAGS	19338	B	CELL Y	07/27/92
7978	00028	A	GB92-0133 CONTAM. SOIL,DEBRIS,& OR RAGS	33052	B	CELL Y	07/27/92
7980	00028	A	GB92-0133 CONTAM. SOIL,DEBRIS,& OR RAGS	6757	B	CELL Y	07/27/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



General Manager

Cert. # 92-002494

CERTIFICATE OF DISPOSAL

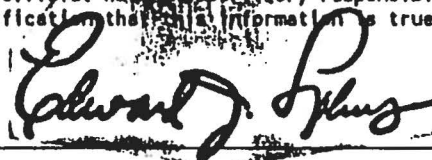
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
7981	D0029	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	22340	B	CELL Y	07/27/92
7984	00029	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	38150	B	CELL Y	07/27/92
7987	00029	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	21533	B	CELL Y	07/27/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

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General Manager

Cert. # 92-002498

CERTIFICATE OF DISPOSAL

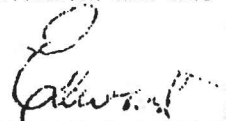
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
8324	00030	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	14649	B	CELL Y	07/31/92
8325	00030	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	34785	B	CELL Y	07/31/92
8328	00030	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	32236	B	CELL Y	07/31/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



General Manager

Cert. # 92-002491

CERTIFICATE OF DISPOSAL

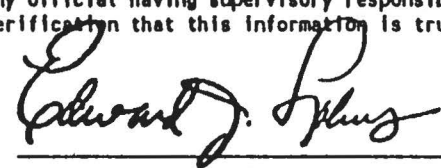
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
8330	00031	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	33751	B	CELL Y	07/31/92
8332	00031	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	19020	B	CELL Y	07/31/92
8333	00031	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	22113	B	CELL Y	07/31/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



General Manager

Cert. # 92-002488

CERTIFICATE OF DISPOSAL

U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
8509	00032	A	GB92-0133	CONTAM. SOIL,DEBRIS,& OR RAGS	11664	B	CELL Y	08/05/92
8510	00032	A	GB92-0133	CONTAM. SOIL,DEBRIS,& OR RAGS	29488	B	CELL Y	08/05/92
8513	00032	A	GB92-0133	CONTAM. SOIL,DEBRIS,& OR RAGS	33306	B	CELL Y	08/05/92

shipped on epa Id HYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Edward J. Plus

General Manager

Cert. # 92-002717

CERTIFICATE OF DISPOSAL

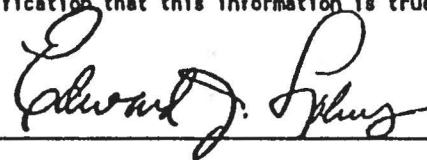
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (e), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
8038	00033	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	14231	B	CELL Y	07/28/92
8042	00033	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	37424	B	CELL Y	07/28/92
8049	00033	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	21497	B	CELL Y	07/28/92
8051	00033	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	14939	B	CELL Y	07/28/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



General Manager

Cert. # 92-002497

CERTIFICATE OF DISPOSAL

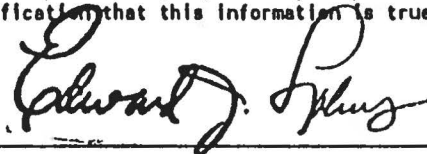
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
8423	00034	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	30730	B	CELL Y	08/03/92
8424	00034	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	22594	B	CELL Y	08/03/92
8425	00034	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	32091	B	CELL Y	08/03/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



Cert. # 92-002490

General Manager

CERTIFICATE OF DISPOSAL

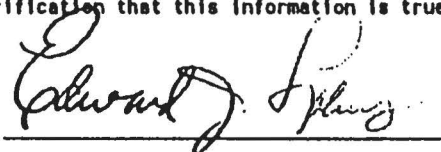
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (e), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
8430	00035	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	23728	B	CELL Y	08/03/92
8431	00035	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	24027	B	CELL Y	08/03/92
8432	00035	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	36336	B	CELL Y	08/03/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



General Manager

Cert. # 92-002489

CERTIFICATE OF DISPOSAL

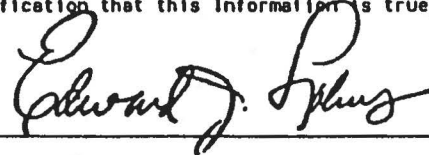
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
8819	00036	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	23837	B	CELL Y	08/13/92
8822	00036	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	25859	B	CELL Y	08/13/92
8825	00036	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	31365	B	CELL Y	08/13/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



General Manager

Cert. # 92-002594

CERTIFICATE OF DISPOSAL

U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD9913D1748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
8826	00037	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	24290	B	CELL Y	08/13/92
8827	00037	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	19057	B	CELL Y	08/13/92
8828	00037	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	21642	B	CELL Y	08/13/92
8830	00037	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	18993	B	CELL Y	08/13/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



Cert. # 92-002595

General Manager

CERTIFICATE OF DISPOSAL

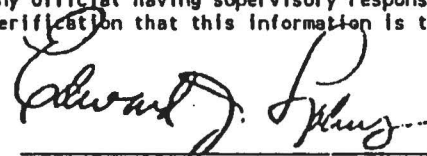
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
8812	00038	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	13215	B	CELL Y	08/13/92
8815	00038	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	34204	B	CELL Y	08/13/92
8817	00038	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	16163	B	CELL Y	08/13/92
8818	00038	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	21569	B	CELL Y	08/13/92

shipped on epa id HYD002920312 was/were disposed in an EPA approved chemical waste landfill.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the person who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.



General Manager

Cert. # 92-002598

CERTIFICATE OF DISPOSAL

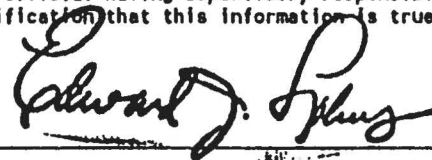
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
9489	00040	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	22122	B	CELL Y	08/27/92
9491	00040	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	19039	B	CELL Y	08/27/92
9492	00040	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	22358	B	CELL Y	08/27/92
9493	00040	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	21796	B	CELL Y	08/27/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

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General Manager

Cert. # 92-002714

CERTIFICATE OF DISPOSAL

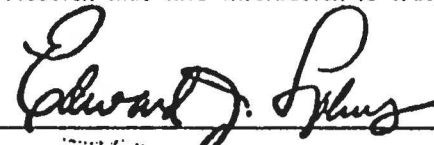
U.S. Pollution Control Inc.-Grassy Mt. Facility
3 mi. East, 7 mi. North of Exit 41 off I-80
Clive, UT
EPA ID # - UTD991301748

As required by 40 CFR 761.218 (a), we are providing this Certificate of Disposal to OCCIDENTAL CHEMICAL
to confirm that rail car #

LOAD	MANIFEST	LINE	WS NUMBER	WASTE NAME	WEIGHT Kg	TYPE	DISPOSED CELL	DISPOSED
9063	00039	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	23093	B	CELL Y	08/20/92
9065	00039	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	20580	B	CELL Y	08/20/92
9066	00039	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	19918	B	CELL Y	08/20/92
9068	00039	A	GB92-0133	CONTAM. SOIL, DEBRIS, & OR RAGS	20181	B	CELL Y	08/20/92

shipped on epa id NYD002920312 was/were disposed in an EPA approved chemical waste landfill.

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General Manager

Cert. # 92-002715

APPENDIX B
Verification Sampling Analytical Results

**OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

**Summary of Verification Sampling Results
Work Area A**

Sample date	Sample type	Soil sample location (grid coordinate in feet from origin)			Sample result (mg/kg)
		X	Y	Z	
07/20/92	Composite	36	22	1	0.18
		37	32	1	
		29	38	1	
07/20/92	Composite	39	41	1	0.73
		34	59	1	
07/20/92	Composite	39	41	1	0.64
		34	59	1	
07/20/92	Composite	35	59	1	0.99
		25	69	1	
07/20/92	Composite	22	45	1	4.3
		13	51	1	
		24	55	1	
07/20/92	Grab	22	45	1	4.5
07/20/92	Composite	6	58	1	0.36
		16	61	1	
		9	68	1	

occra.tbl/occra1

**OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

**Summary of Verification Sampling Results
Work Area B**

Sample date	Sample type	Soil sample location (grid coordinate in feet from origin)			Sample result (mg/kg)
		X	Y	Z	
06/16/92	Grab	88	68	1	1.1
06/16/92	Composite	45	71	1	0.49
		40	61	1	
		52	62	1	
06/16/92	Composite	61	82	1	2.0
		56	72	1	
		70	79	1	
06/16/92	Composite	73	86	1	2.0
		80	77	1	
		76	67	1	
06/29/92	Grab	89	85	2	1.6
06/29/92	Composite	73	100	1	0.14
		77	104	0	
		83	102	1	
06/29/92	Composite	75	94	2	1.1
		79	98	1	
		85	97	2	
07/06/92	Composite	77	57	2	2.6
		73	53	2	
07/06/92	Composite	88	88	3	1.4
		81	91	3	
		75	94	3	
07/22/92	Composite	84	54	4	3.8
		84	56	4	
		86	55	4	
07/22/92	Grab	84	56	4	3.7
07/22/92	Grab	86	55	4	0.48
				1	
				1	

occra.tbl/occra1

**OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

**Summary of Verification Sampling Results
Work Area C**

Sample date	Sample type	Soil sample location (grid coordinate in feet from origin)			Sample result (mg/kg)
		X	Y	Z	
05/28/92	Grab	96	88	1	6.9
05/28/92	Grab	91	88	1	0.12
05/28/92	Composite	116	96	0	3.7
		104	94	0	
		97	87	1	
05/28/92	Grab	97	87	1	4.8
06/08/92	Composite	114	89	3	2.0
		113	71	3	
		136	71	3	
06/11/92	Composite	140	73	4	1.6
		129	79	4	
		119	75	4	
06/11/92	Composite	142	95	1	1.8
		131	91	1	
		121	87	3	

occra.tbl/occra1

**OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

**Summary of Verification Sampling Results
Work Area D**

Sample date	Sample type	Soil sample location (grid coordinate in feet from origin)			Sample result (mg/kg)
		X	Y	Z	
06/08/92	Composite	114	89	3	2.0
		113	71	3	
		136	71	3	
06/11/92	Composite	160	81	4	1.5
		161	92	1	
		151	88	2	
06/11/92	Composite	158	75	4	0.47
		149	77	4	
		140	84	4	
06/11/92	Composite	158	75	4	0.73
		149	77	4	
		140	84	4	
06/11/92	Composite	140	73	4	1.6
		129	79	4	
		119	75	4	
06/11/92	Composite	142	95	1	1.8
		131	91	1	
		121	87	3	

occra.tbl/occra1

**OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

**Summary of Verification Sampling Results
Work Area E**

Sample date	Sample type	Soil sample location (grid coordinate in feet from origin)			Sample result (mg/kg)
		X	Y	Z	
06/15/92	Composite	203	76	0	4.3
		198	65	1	
		191	73	1	
06/15/92	Grab	191	73	1	3.0
06/15/92	Composite	179	70	4	0.97
		170	79	4	
		166	68	4	
07/09/92	Composite	175	87	5	1.3
		166	93	5	
07/09/92	Composite	189	100	2	0.67
		175	98	3	
		166	104	1	
07/09/92	Composite	193	86	5	2.4
		184	81	5	
07/15/92	Composite	224	104	1	3.2
		229	94	1	
		217	93	2	
07/15/92	Composite	211	103	2	3.3
		205	93	5	
07/15/92	Composite	198	102	1	0.29
		193	92	5	
		180	92	5	

occra.tbl/occra1

LEGGETTE, BRASHEARS & GRAHAM, INC.

OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK

Summary of Verification Sampling Results
Work Area F

Sample date	Sample type	Soil sample location (grid coordinate in feet from origin)			Sample result (mg/kg)
		X	Y	Z	
07/01/92	Grab	195	40	1	0.39
07/01/92	Grab	186	41	2	4.9
07/01/92	Grab	188	57	2	7.7
07/01/92	Composite	168	20	1	0.15
		174	28	1	
		184	26	1	
07/01/92	Composite	182	50	3	0.71
		174	52	3	
07/01/92	Composite	180	59	3	5.8
		166	54	3	
		172	62	3	
07/01/92	Grab	180	59	3	3.3
07/01/92	Grab	166	54	3	4.7
07/01/92	Grab	172	62	3	10.0
07/01/92	Composite	193	24	1	0.78
		199	31	1	
		189	33	1	
07/13/92	Grab	196	62	2	ND 0.080
07/13/92	Grab	196	46	2	7.2
07/13/92	Composite	210	53	2	1.5
		197	54	2	
07/13/92	Composite	182	63	3	0.1
		189	59	2	
		189	50	2	
07/27/92	Composite	171	33	4	1.9
		175	39	4	
07/29/92	Composite	203	61	3	0.22
		205	57	3	
		201	57	3	
07/29/92	Composite	204	50	3	ND 0.080
		206	46	3	
		202	46	3	

ND - Not detected.

occra.tbl/occra1

LEGGETTE, BRASHEARS & GRAHAM, INC.

OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK

Summary of Verification Sampling Results
Work Area G

Sample date	Sample type	Soil sample location (grid coordinate in feet from origin)			Sample result (mg/kg)
		X	Y	Z	
07/27/92	Composite	158	39	3	1.2
		147	33	3	
07/27/92	Composite	148	21	1	2.7
		136	18	1	
		160	26	1	
07/31/92	Grab	122	35	3	0.23
07/31/92	Composite	133	39	4	1.2
		128	34	3	
08/06/92	Grab	124	42	5	ND 0.080
08/06/92	Composite	131	47	5	3.5
		132	38	5	
08/17/92	Composite	47	122	8	ND 1.0
		42	122	9	
		37	122	9	

ND - Not detected.

occra.tbl/occra1

**OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

**Summary of Verification Sampling Results
Work Area H**

Sample date	Sample type	Soil sample location (grid coordinate in feet from origin)			Sample result (mg/kg)
		X	Y	Z	
07/22/92	Grab	89	33	3	0.49
07/22/92	Composite	84	15	1	3.3
		91	23	2	
		94	14	1	
07/22/92	Composite	103	23	2	3.8
		111	32	3	
		118	32	3	
07/22/92	Grab	111	32	3	8.8
07/28/92	Composite	96	33	5	0.97
		101	33	5	
		99	28	5	
07/29/92	Grab	97	40	9	2.0
07/29/92	Grab	97	40	10	8.0
08/04/92	Grab	96	45	1	3.0
08/04/92	Grab	93	46	0	9.6
08/04/92	Grab	93	46	1	9.0
08/04/92	Grab	93	46	2	9.0
08/06/92	Grab	93	48	1	ND 1.0
08/06/92	Grab	93	48	2	ND 1.0
08/06/92	Grab	93	48	3	ND 1.0
08/13/92	Grab	99	46	8	1.2
08/13/92	Grab	103	46	8	9.3
08/13/92	Composite	94	47	5	ND 1.0
		90	44	5	
		92	47	5	
08/17/92	Grab	99	46	9	ND 1.0
08/17/92	Composite	96	41	10	1.0
		98	37	10	
		94	37	10	

ND - Not detected.

**OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

**Summary of Verification Sampling Results
Work Area I**

Sample date	Sample type	Soil sample location (grid coordinate in feet from origin)			Sample result (mg/kg)
		X	Y	Z	
07/16/92	Grab	57	19	1	4.9
07/16/92	Grab	71	23	1	7.2
07/16/92	Grab	61	32	2	ND 0.080
07/16/92	Composite	47	28	1	1.1
		51	41	1	
		41	51	1	
07/16/92	Composite	78	27	4	4.6
		78	37	3	
		78	45	3	
07/16/92	Grab	78	37	3	5.4
07/24/92	Grab	71	46	3	ND 0.080
07/24/92	Grab	68	39	3	ND 0.080
07/24/92	Composite	62	38	3	0.39
		60	49	3	
		64	45	3	
07/24/92	Composite	78	17	2	0.54
		75	17	2	
		77	22	2	
07/29/92	Composite	65	31	3	4.7
		64	35	4	
		68	34	4	
07/29/92	Grab	65	31	3	8.6
07/29/92	Grab	64	35	4	ND 0.080
07/29/92	Grab	68	34	4	ND 0.080
07/31/92	Composite	71	38	4	1.1
		72	43	4	
		76	40	4	

ND - Not detected.

occra.tbl/occra1

LEGGETTE, BRASHEARS & GRAHAM, INC.

OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK

Summary of Verification Sampling Results
Work Area J

Sample date	Sample type	Soil sample location (grid coordinate in feet from origin)			Sample result (mg/kg)
		X	Y	Z	
06/26/92	Composite	118	37	10	2.6
		118	42	10	
		114	40	10	
07/06/92	Composite	118	48	11	0.95
		113	46	11	
		108	43	11	
07/06/92	Composite	108	38	11	4.3
		104	36	11	
		103	49	11	
07/06/92	Grab	108	38	11	8.0

occra.tbl/occra1

**OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

**Summary of Verification Sampling Results
Sump 3**

Sample date	Sample type	Soil sample location (grid coordinate in feet from origin)			Sample result (mg/kg)
		X	Y	Z	
06/10/92	Grab	282	48	2	0.11
06/10/92	Composite	300	30	1	1.5
		290	39	3	
		304	43	3	
06/10/92	Composite	313	49	1	2.4
		306	56	2	
		299	63	2	
06/10/92	Composite	266	34	1	5.0
		258	41	0	
		270	44	1	
06/10/92	Grab	266	34	1	4.3
06/10/92	Grab	270	44	1	0.56
06/10/92	Composite	276	25	1	4.6
		287	27	1	
		279	36	1	
06/10/92	Grab	287	27	1	ND 0.080
06/10/92	Grab	279	36	1	6.9
06/15/92	Grab	305	33	2	0.23
06/15/92	Grab	312	39	2	1.8
06/15/92	Composite	299	26	2	ND 0.08
		300	18	2	
		307	24	2	
07/06/92	Composite	314	16	2	0.65
		316	21	2	
07/06/92	Composite	315	29	3	1.9
		310	30	3	
		313	35	3	
07/08/92	Composite	313	69	10	1.0
		313	80	10	
		302	74	10	
07/08/92	Composite	313	69	10	0.83
		313	80	10	
		302	74	10	

**OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

**Summary of Verification Sampling Results
Sump 3
(continued)**

Sample date	Sample type	Soil sample location (grid coordinate in feet from origin)			Sample result (mg/kg)
		X	Y	Z	
07/08/92	Composite	313	92	10	0.52
		302	86	10	
		292	99	10	
07/08/92	Composite	292	80	10	2.2
		281	86	10	
		281	74	10	
07/08/92	Composite	271	92	10	1.1
		270	79	10	
		271	68	10	
07/10/92	Composite	320	81	1	3.0
		315	88	1	
		316	73	0	
07/10/92	Composite	324	88	1	4.5
		328	81	0	
		324	74	0	
07/10/92	Grab	328	81	0	7.7
07/10/92	Composite	307	94	1	2.5
		310	100	0	
		301	98	1	
07/10/92	Composite	283	95	1	3.5
		292	97	1	
07/10/92	Composite	286	102	0	3.0
		295	103	0	
07/16/92	Composite	314	24	5	0.37
		312	25	5	
		314	26	5	
07/28/92	Composite	289	59	2	5.4
		295	44	3	
		299	58	2	
07/28/92	Grab	289	59	2	2.1
07/28/92	Grab	299	58	2	5.7

**OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

**Summary of Verification Sampling Results
Sump 3
(continued)**

Sample date	Sample type	Soil sample location (grid coordinate in feet from origin)			Sample result (mg/kg)
		X	Y	Z	
08/04/92	Composite	254	50	2	2.6
		269	47	2	
		263	62	2	
08/04/92	Composite	254	50	2	2.0
		269	47	2	
		263	62	2	
08/12/92	Composite	248	85	3	2.7
		261	86	3	
		268	75	3	
08/12/92	Composite	254	96	3	0.12
		263	105	3	
		268	97	3	
08/14/92	Composite	248	65	4	2.5
		254	68	4	
		261	72	4	
08/14/92	Composite	248	65	4	3.1
		254	68	4	
		261	72	4	

ND - Not detected.

occra.tbl/occra1

**OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

**Summary of Verification Sampling Results
Stockpile Area**

Sample date	Sample type	Soil sample location (grid coordinate in feet from origin)			Sample result (mg/kg)
		X	Y	Z	
05/26/92	Composite	199	170	0	3.5
		206	161	0	
		189	170	1	
		196	160	1	
		202	151	0	
05/26/92	Grab	199	170	0	4.1
05/26/92	Grab	206	161	0	3.0
05/26/92	Composite	212	152	0	3.6
		212	152	0	
		219	143	0	
		208	142	0	
		215	132	0	
05/26/92	Grab	212	152	0	4.0
05/26/92	Grab	219	143	0	7.5
05/26/92	Composite	178	170	1	3.8
		185	161	1	
		174	160	0	
		180	150	0	
05/26/92	Grab	178	170	1	2.9
05/26/92	Grab	174	160	0	5.1
06/08/92	Composite	224	123	0	1.1
		222	110	1	
		211	119	1	
06/08/92	Composite	213	132	1	2.3
		202	141	1	
		200	128	1	
06/12/92	Composite	192	144	1	0.63
		182	144	1	
06/12/92	Composite	204	128	1	1.2
		200	120	1	
		191	118	1	
06/12/92	Composite	206	112	1	1.7
		198	111	1	
		204	102	1	

**OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

**Summary of Verification Sampling Results
Stockpile Area
(continued)**

Sample date	Sample type	Soil sample location (grid coordinate in feet from origin)			Sample result (mg/kg)
		X	Y	Z	
06/18/92	Composite	186	133	2	0.12
		191	128	2	
		191	134	2	
06/18/92	Composite	190	137	2	1.3
		197	143	2	
06/18/92	Composite	201	128	2	2.4
		201	136	2	
		206	136	2	
06/18/92	Composite	196	131	2	ND0.08
		201	121	2	
07/15/92	Composite	224	104	1	3.2
		229	94	1	
		217	93	2	
07/15/92	Composite	211	103	2	3.3
		205	93	5	

ND - Not detected.

occra.tbl/occra1

OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK

Summary of Field Blank Results

Sample date	Sample result (mg/l)
05/26/92	ND 0.0005
05/28/92	ND 0.0005
06/08/92	LA
06/09/92	0.026
06/10/92	0.002
06/11/92	ND 0.0005
06/12/92	ND 0.0005
06/15/92	ND 0.0005
06/16/92	ND 0.0005
06/18/92	ND 0.0005
06/26/92	0.0008
06/29/92	ND 0.0005
07/01/92	ND 0.0005
07/06/92	ND 0.0005
07/08/92	ND 0.0005
07/09/92	ND 0.0005
07/10/92	ND 0.0005
07/13/92	ND 0.0005
07/15/92	ND 0.0005
07/16/92	ND 0.0005
07/20/92	ND 0.0005
07/22/92	ND 0.0005
07/24/92	ND 0.0005
07/27/92	0.0009
07/28/92	ND 0.0005
07/29/92	ND 0.0005
07/31/92	ND 0.0005
08/04/92	ND 0.0005

OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK

Summary of Field Blank Results
(continued)

Sample date	Sample result (mg/l)
08/06/92	ND 0.0005
08/07/92	ND 0.0005
08/10/92	ND 0.0005
08/12/92	ND 0.0005
08/13/92	ND 0.0005
08/14/92	ND 0.0005
08/17/92	0.0006

ND - Not detected.

LA - Lab accident.

occra.tbl/occra1

OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK

Summary of CLP Results
Aroclor 1248

Work area	Sample date	Sample type	Soil sample location (grid coordinate in feet from origin)			Sample result (mg/kg)
			X	Y	Z	
A	07/20/92	Composite	36	22	1	0.17
			37	32	1	
			29	38	1	
B	06/16/92	Composite	45	71	1	0.86
			40	61	1	
			52	62	1	
C	06/11/92	Composite	140	73	4	2.4
			129	79	4	
			119	75	4	
D	06/11/92	Composite	160	81	4	3.0
			161	92	1	
			151	88	2	
E	06/15/92	Composite	179	70	4	0.50
			170	79	4	
			166	68	4	
F	07/01/92	Composite	168	20	1	0.26
			174	28	1	
			184	26	1	
G	07/27/92	Composite	158	39	3	1.7
			147	33	3	
H	07/22/92	Composite	84	15	1	2.8
			91	23	2	
			94	14	1	
I	07/16/92	Composite	47	28	1	1.8
			51	41	1	
			41	51	1	
J	07/06/92	Composite	118	48	11	1.6
			113	46	11	
			108	43	11	
Sump 3	07/08/92	Composite	313	92	10	0.50
			302	86	10	
			292	99	10	

occra.tbl/occra1

LEGGETTE, BRASHEARS & GRAHAM, INC.

APPENDIX D
Air Sampling Analytical Results

**OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

**Summary of Air Sampling Results
Total Particulates**

Date of collection	Sample zone	Results (mg/m ³)				
		Upwind	Downwind 1	Downwind 1 Duplicate	Downwind 2	Downwind 2 Duplicate
5/29/92	Excavation	ND 0.012	0.13	--	0.12	0.11
5/29/92	Loading	0.095	0.085	--	0.067	0.064
5/30/92	Excavation	0.062	0.095	0.075	0.047	--
6/03/92	Excavation	ND 0.013	*	--	0.058	0.035
6/04/92	Loading	0.013	0.082	--	0.071	0.067
6/09/92	Excavation	ND 0.013	0.040	--	0.028	ND 0.014
6/12/92	Loading	0.29	*	--	0.070	0.095
6/16/92	Excavation	0.12	0.083	--	0.11	0.060
6/22/92	Loading	0.047	0.10	--	0.047	*
6/25/92	Excavation	0.041	0.15	--	0.083	*
7/08/92	Excavation	0.18	0.024	--	ND 0.012	0.023
7/10/92	Loading	0.092	ND 0.012	--	0.060	0.12
7/15/92	Excavation	0.16	0.15	--	0.082	0.13
7/17/92	Loading	0.098	0.032	--	ND 0.033	0.032
7/24/92	Excavation	0.029	0.036	--	0.11	*
7/27/92	Loading	0.031	0.046	--	0.15	0.088
8/07/92	Excavation	ND 0.093	0.29	--	0.39	ND 0.097
8/10/92	Loading	ND 0.017	0.017	--	0.017	ND 0.017
8/13/92	Excavation	0.032	ND 0.050	--	0.032	0.064

-- No sample collected.

* Sample not analyzed due to sampling equipment failure.

NOTE: ND X is defined as not detected at or above X.

occra.tbl/occra1

LEGGETTE, BRASHEARS & GRAHAM, INC.

**OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK**

**Summary of Air Sampling Results
Aroclor 1248 on Particulates**

Date of collection	Sample zone	Results (mg/m ³)			
		Upwind	Downwind 1	Downwind 2	Downwind 2
5/19/92	Excavation	ND 0.00043	ND 0.00056	ND 0.00040	ND 0.00048
5/26/92	Excavation	ND 0.00062	0.026	ND 0.00059	*
5/28/92	Loading	*	ND 0.00024	ND 0.00024	ND 0.00023
6/03/92	Excavation	ND 0.000046	ND 0.000046	0.0017	ND 0.000050
6/04/92	Loading	ND 0.000055	ND 0.000047	ND 0.000044	0.0017
6/09/92	Excavation	ND 0.00041	*	ND 0.00046	ND 0.00043
6/12/92	Loading	ND 0.00049	ND 0.00048	ND 0.00049	ND 0.00044
6/16/92	Excavation	ND 0.00047	ND 0.00045	ND 0.00045	ND 0.00046
6/22/92	Loading	ND 0.00046	ND 0.00044	ND 0.00044	ND 0.00047
6/25/92	Excavation	ND 0.00045	ND 0.00043	ND 0.00043	ND 0.00044
7/08/92	Excavation	*	ND 0.00043	ND 0.00043	ND 0.00044
7/10/92	Loading	ND 0.00045	ND 0.00042	ND 0.00044	ND 0.00044
7/15/92	Excavation	ND 0.00047	ND 0.00044	ND 0.00046	ND 0.00046
7/17/92	Loading	ND 0.0013	ND 0.0012	ND 0.0012	ND 0.0013
7/24/92	Excavation	ND 0.00049	ND 0.00046	ND 0.00047	ND 0.00049
7/27/92	Loading	ND 0.00063	ND 0.00058	ND 0.00059	ND 0.00061
8/07/92	Excavation	ND 0.0039	ND 0.0036	ND 0.0038	ND 0.0040
8/10/92	Loading	ND 0.00068	ND 0.00066	ND 0.00066	ND 0.00067
8/13/92	Excavation	ND 0.00059	ND 0.00064	ND 0.00064	ND 0.00063

* Sample not analyzed due to sampling equipment failure.

NOTE: ND X is defined as not detected at or above X.

occra.tbl/occra1

LEGGETTE, BRASHEARS & GRAHAM, INC.

OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK

Summary of Air Sampling Quality Control Results
Aroclor 1248 on Particulates

Date of collection	Sample zone	Result (mg/m ³)
5/19/92	Excavation	ND 0.0040
5/26/92	Excavation	ND 0.00041
5/28/92	Loading	ND 0.00023
6/03/92	Excavation	ND 0.000046
6/04/92	Loading	ND 0.000044
6/09/92	Excavation	ND 0.00041
6/12/92	Loading	ND 0.00044
6/16/92	Excavation	ND 0.00045
6/22/92	Loading	ND 0.00044
6/25/92	Excavation	ND 0.00043
7/08/92	Excavation	ND 0.00043
7/10/92	Loading	ND 0.00042
7/15/92	Excavation	ND 0.00044
7/17/92	Loading	ND 0.0012
7/24/92	Excavation	ND 0.00046
7/27/92	Loading	ND 0.00058
8/07/92	Excavation	ND 0.0036
8/10/92	Loading	ND 0.00066
8/13/92	Excavation	ND 0.00059

Note: NDX is defined as not detected at or above X.

occra.tbl/occra1

LEGGETTE, BRASHEARS & GRAHAM, INC.

APPENDIX E
Wipe Sampling Analytical Results

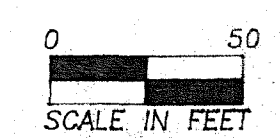
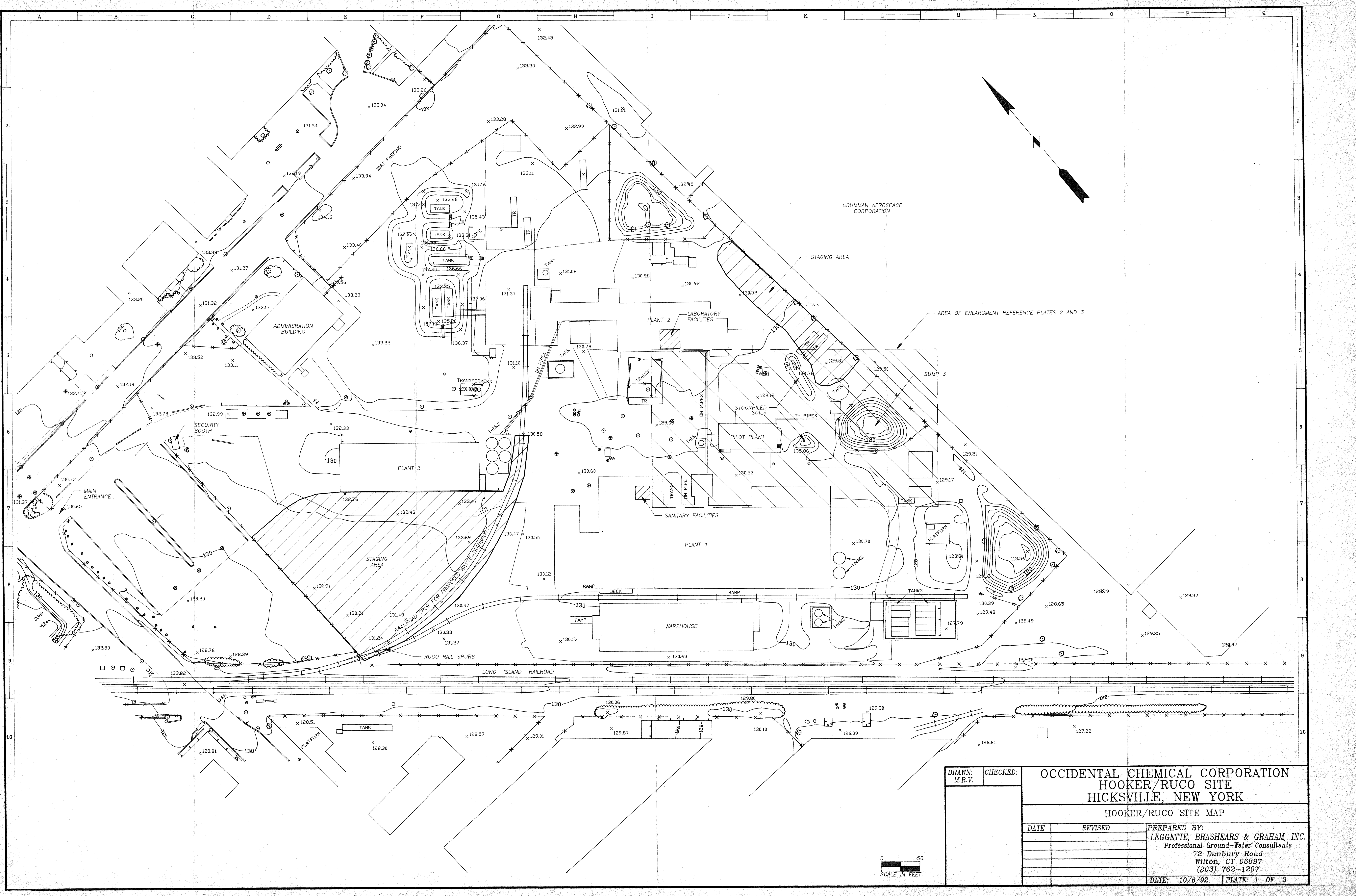
OCCIDENTAL CHEMICAL CORPORATION
HOOKER/RUCO SITE
HICKSVILLE, NEW YORK

Summary of Wipe Sample Results

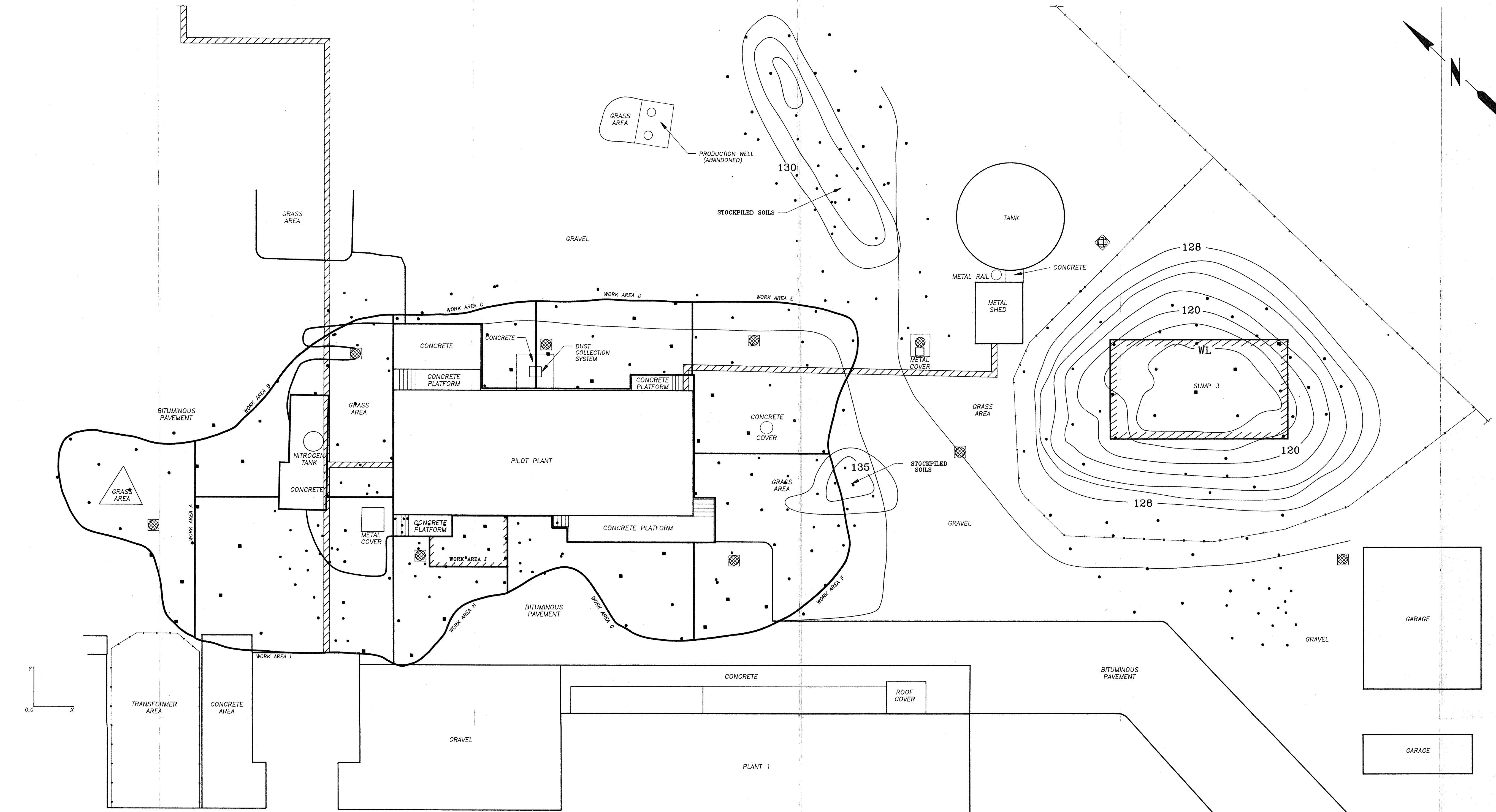
Date of collection	Sample result (milligrams)	Equipment
06/17/92	0.001	EL240B trackhoe
07/10/92	ND 0.001	EL200B trackhoe
08/04/92	0.31	416E backhoe
08/04/92	0.22	980F loader
08/17/92	ND 0.2	EL200B trackhoe
08/24/92	0.2	950F loader
08/24/92	0.014	decon trailer
08/24/92	0.0043	retaining clips
08/24/92	0.002	H-beams

ND - Not detected.


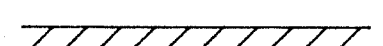


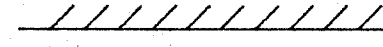


occra.tbl/occra1



DRAWN: M.R.V.		CHECKED:	OCCIDENTAL CHEMICAL CORPORATION HOOKER/RUCO SITE HICKSVILLE, NEW YORK	
			HOOKER/RUCO SITE MAP	
			DATE	REVISED
			PREPARED BY: LEGGETTE, BRASHEARS & GRAHAM, INC. Professional Ground-Water Consultants 72 Danbury Road Wilton, CT 06897 (203) 762-1207	
			DATE: 10/6/92 PLATE: 1 OF 3	



LEGEND

-  SETTLING BASIN
-  OVERHEAD PIPES
-  ELEVATION CONTOUR LINES
-  WORK AREA BOUNDARY
-  SHORING AND SHEET PILING
-  VERIFICATION SOIL SAMPLE LOCATION
-  VERIFICATION/CONFIRMATION DUPLICATE SOIL SAMPLE LOCATION

NOTES:

SOIL SAMPLE COORDINATE LOCATION;
ORIGIN REFERENCE IS 90.0 FEET NORTHWEST
AND 80.0 FEET SOUTHWEST OF THE NORTH
FOUNDATION CORNER OF THE PILOT PLANT.

DRAWN: M.R.V.		CHECKED:	OCCIDENTAL CHEMICAL CORPORATION HOOKER/RUCO SITE HICKSVILLE, NEW YORK	
LOCATIONS OF ACCEPTABLE VERIFICATION AND CONFIRMATION SAMPLES				
DATE	REVISED	PREPARED BY: LEGGETTE, BRASHEARS & GRAHAM, INC. Professional Ground-Water Consultants 72 Danbury Road Wilton, CT 06897 (203) 762-1207		
DATE: 10/2/92		PLATE: 3 OF 3		